

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

**FEATURES**

- Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 3-7/16" deep housing installs easily within limited plenum space
- Gasketed door frame features offset mitered corners to eliminate light leaks
- Cam latches close securely and allow hassle-free maintenance
- Reversible door hinges and latches allow access on either side
- Deep reinforcement ribs provide added strength
- Integral T-bar clips quickly secure fixture to structure
- Maximize energy savings with efficacies as high as 136 lm/W
- Made Right Here™ in the USA

**ORDERING EXAMPLE: LPT - 2 4 - P70/835 - S AF12095 - OPTIONS - POE N**

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	DOOR FRAME
LPT	2 2"	2 2' <sup>[2]</sup>	2x2	8 80	27 2700K	S White flat steel
		4 4'	P31	3,100lm	30 3000K	
			2x4		35 3500K	
			P70	7,000lm	40 4000K	
					50 5000K	
				8TW Tunable white (80 CRI, 3000K–5000K)		

**SYSTEM REQUIREMENTS**

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See [hew.com/poe](http://hew.com/poe) for details

**SHIELDING**

- AF12095** Frosted acrylic, pattern #12, .095" thick
- A12125** Clear acrylic, pattern #12, .125" thick<sup>[6]</sup>
- AF12125** Frosted acrylic, pattern #12, .125" thick
- A19156** Clear acrylic, pattern #19, .156" thick<sup>[7]</sup>
- AF19156** Frosted acrylic, pattern #19, .156" thick

**OPTIONS<sup>[4]</sup>**

- EM/CP12** Remote mount 12-watt Iota emergency battery<sup>[8]</sup>
- EQCLIPS** Earthquake clips<sup>[9]</sup>

**CONTROL<sup>[5]</sup>**

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node

**SPECIFICATIONS**

- HOUSING** – 22-gauge die-formed C.R.S.
- DOOR FRAME** – 22-gauge C.R.S., offset mitered corners, cam latches, and T-style hinges.
- SHIELDING** – Frosted acrylic, pattern #12, .095" thick.
- FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High quality mid-power LED board. L70 > 50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING** –NEMA Type "G" standard. For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).
- LISTINGS** –
  - cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**NOTES**

- Lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- 2' width only
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- See page 3 for FINISH OPTIONS. See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches.
- For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- LED pixelation will be visible
- LED pixelation will be visible
- Requires one additional category cable run to switch. See page 2 for REMOTE MOUNT DETAILS.
- 4 per fixture



### FIXTURE PERFORMANCE DATA

#### STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P31	3122	25.3	123.5
2x4	P70	7012	51.7	135.8

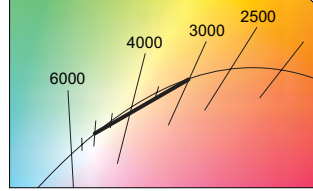
#### TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	P31	3116	25.6	122.0
2x4	P70	7041	52.3	134.5

#### MULTIPLIER TABLES

	STANDARD	
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06

	TUNABLE WHITE	
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	3000K	0.95
	3500K	0.98
	4000K	1.00
	4000K	1.00
	5000K	0.96

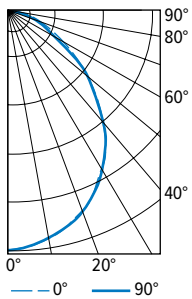


- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

90 CRI	CCT	CONVERSION FACTOR
	2700K	0.82
	3000K	0.83
	3500K	0.84
	4000K	0.86
5000K	0.90	

### PHOTOMETRY

LPT-24-P70/835-SAF12095 Total Luminaire Output: 7012 lumens; 51.7 Watts | Efficacy: 136lm/W | 82 CRI; 3457K CCT

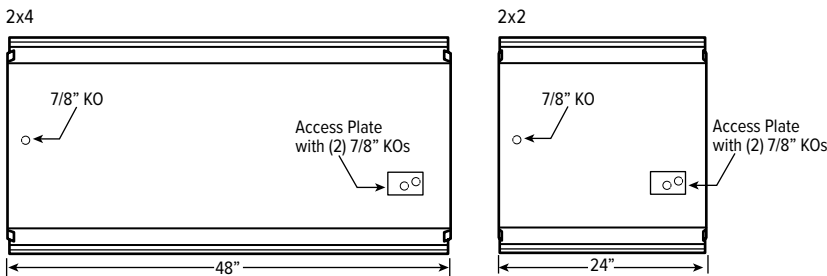


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3208	3208	3208	
	5	3160	3157	3157	300
	15	2991	2991	2994	845
	25	2700	2700	2710	1240
	35	2245	2245	2252	1396
	45	1666	1643	1617	1265
	55	1070	1012	971	921
	65	612	556	558	578
	75	309	294	332	336
	85	118	120	144	131
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2385	34
	0 - 40	3781	54
	0 - 60	5967	85
	0 - 90	7012	100
	0 - 180	7012	100

### FIXTURE DETAILS

#### BACKVIEW

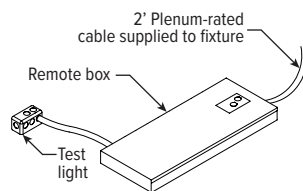


### REMOTE MOUNT DETAILS

Includes 2' plenum-rated 18ga. solid cable. Remote box can be installed in:

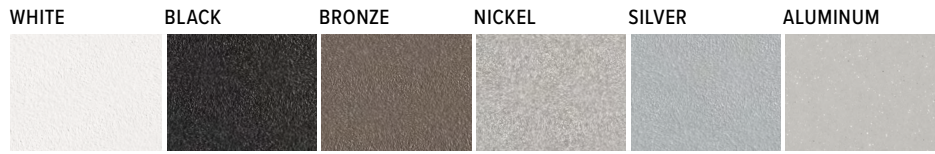
- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

#### EM OPTION



**FINISH OPTIONS**

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For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.